AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1.-20. (Canceled)

21. (New) A printer for enabling a user to select and print a plurality of digitally stored images accessible by the printer, comprising:

a print mechanism configurable by program logic to generate a combination proof sheet and order form having graphical representations of selected ones of the plurality of digitally stored images and a plurality of user designation areas;

a scanner mechanism configurable by program logic to detect and interpret at least one user-completed one of the user designation areas after the form has been inserted into the scanner mechanism; and

program logic configured to cause the print mechanism to generate at least one final print sheet having a graphical representation of at least one of the digitally stored images in accordance with the at least one detected and interpreted user-completed one of the user designation areas.

22. (New) The printer of claim 21, wherein the form is inserted into the scanner mechanism by reinserting the form into an input/output tray of the printer.

23. (New) The printer of claim 21, comprising:

a data transfer interface configurable to receive the digitally stored images, the interface selected from the group consisting of a memory card reader and at least one I/O port.

24. (New) The printer of claim 21, wherein the graphical representations are made up of microscopic pixels.

25. (New) The printer of claim 21, wherein the print mechanism is selected from the group consisting of a laser print mechanism, an ink jet print mechanism, a dot matrix print mechanism, a dye sublimation print mechanism, and a thermal print mechanism.

26. (New) The printer of claim 21, wherein the graphical representations of the selected ones of the plurality of images include thumbnail images.

27. (New) The printer of claim 26, wherein one of the user designation areas is located on the combination proof sheet and order form adjacent to and is associated with a corresponding one of the thumbnail images.

28. (New) The printer of claim 21, wherein the user designation areas to be user-completed include locations markable by the user with a marking implement.

29. (New) The printer of claim 28, wherein at least some of the markable locations comprise bubble-shaped regions.

30. (New) The printer of claim 28, wherein at least some of the markable locations comprise at least one of vertical slots between adjacent vertical bars and discrete bounded regions.

31. (New) The printer of claim 21, wherein the combination proof sheet and order form includes user readable printed indicia.

32. (New) The printer of claim 21, wherein the scanner mechanism is an optical scanner.

33. (New) The printer of claim 32, wherein the optical scanner is selected from the

group consisting of a photo detector array, a paper edge sensor, a media type sensor, and an ink jet pen activation energy sensor.

34. (New) The printer of claim 21, wherein the scanner mechanism is selected from the group consisting of an electrical scanner and a mechanical scanner.

35. (New) The printer of claim 21, wherein a particular one of the user designation areas is associated with a corresponding one of the digitally stored images.

36. (New) The printer of claim 35, wherein the particular one of the user designation areas is adjacent the graphical representation of the corresponding one of the digitally stored images.

37. (New) The printer of claim 21, wherein a particular one of the user designation areas is associated with a corresponding plurality of the digitally stored images.

38. (New) The printer of claim 21, wherein a particular one of the user designation areas is markable for specifying at least one of an image selection, an image cropping, an image brightness, an image rotation, a print size, and a print quantity, and a picture storage selection.

39. (New) The printer of claim 23, where the digitally stored images are received from at least one of a flash memory card, a floppy diskette, a direct data link and a wireless data link.

40. (New) The printer of claim 21 wherein the print mechanism is further configurable by stored program logic to generate a custom proof sheet and order form having at least one graphically represented image and user designation cropping areas along adjacent side edges of the image, the user designation cropping areas markable by the user to indicate cropping of

the image.

41. (New) The printer of claim 21, comprising:

a memory configured to store the digitally stored images.

42. (New) The printer of claim 31 wherein the printer further includes program logic for generating an album form including user designation areas for selecting from a plurality of different image borders.

43. (New) A printer for enabling a user to select and print a plurality of digitally stored images accessible by the printer, the printer comprising:

a print mechanism capable of generating graphical representations of selected ones of the plurality of images and a plurality of user designation areas on a print medium;

a scanner mechanism capable of detecting at least one user designation area on the print medium after it has been completed by a user;

program logic configured to cause the print mechanism to generate a combination proof sheet and order form that incorporates at least one of the plurality of images and the plurality of user designation areas;

program logic configured to cause the scanner mechanism to scan the combination proof sheet and order form after at least one of the plurality of user designation areas has been completed by a user and the combination proof sheet and order form has been inserted into the scanner mechanism;

program logic configured to interpret one or more of the user designation areas completed by the user and detected by the scanner mechanism; and

program logic configured to cause the print mechanism to generate at least one final print sheet having a graphical representation in accordance with the user designation areas completed by the user.

44. (New) The system of claim 43, comprising:

a data transfer interface configurable to receive the plurality of digitally stored images.

45. (New) A system for enabling a user to select and print a plurality of digitally stored images, the system comprising:

a printer capable of generating graphical representations of selected ones of the plurality of images and a plurality of user designation areas on a print medium;

a scanner capable of detecting at least one user designation area on the print medium after it has been completed by a user;

program logic configured to cause the printer to generate a combination proof sheet and order form that incorporates at least one of the plurality of images and the plurality of user designation areas;

program logic configured to cause the scanner to scan the combination proof sheet and order form after at least one of the plurality of user designation areas has been completed by a user and the combination proof sheet and order form has been inserted into the scanner;

program logic configured to interpret one or more of the user designation areas completed by the user and detected by the scanner; and

program logic configured to cause the printer to generate at least one final print sheet having a graphical representation in accordance with the user designation areas completed by the user.

46. (New) A system for enabling a user to select and print a plurality of digitally stored images, comprising:

a printer configurable by stored program logic to generate a combination proof sheet and order form having graphical representations of selected ones of the plurality of images and a plurality of user designation areas;

a scanner coupled to the printer and configurable by stored program logic to detect and interpret at least one user-completed one of the user designation areas after the form has been inserted into the scanner; and

program logic configured to cause the printer to generate at least one final print sheet

having a graphical representation of at least one of the digitally stored images in accordance with the at least one detected and interpreted user-completed one of the user designation areas.

47. (New) A method for selecting and printing digitally stored images available to a printer, comprising:

generating with the printer a combination proof sheet and order form having a graphical representation of at least one of the images and a plurality of user designation areas;

scanning with the printer the combination proof sheet and order form after a user has completed at least one of the user designation areas thereon;

detecting and interpreting the completed user designation areas with the printer; and

automatically printing, responsive to the detecting and interpreting, at least one final print of at least one of the digitally stored images in accordance with the completed user designation areas.

48. (New) The method of claim 47, comprising:

automatically detecting a re-insertion into the printer of the user-completed combination proof sheet and order form; and

initiating the detecting and interpreting in response thereto.

49. (New) The method of claim 47, wherein the plurality of user designation areas includes at least one of an image selection user designation area and an image enhancement user designation area.

50. (New) The method of claim 47, comprising:

generating an identity marker on the combination proof sheet and order form, the identity marker uniquely associated with at least one of the graphically represented images; and

scanning the identity marker using the printer so as to confirm that the at least one of

the graphically represented images is available to the printer, before printing the at least one final print.

51. (New) The method of claim 50, wherein the scanning the identity marker comprises:

comparing the identity marker to a code associated with the at least one of the graphically represented images.

52. (New) The method of claim 50, comprising:

preventing the printing if the at least one of the graphically represented images is unavailable to the printer.

53. (New) The method of claim 50, wherein the identity marker comprises a pattern of printed and unprinted locations.

54. (New) The method of claim 47, wherein the graphical representation of at least one of the images includes an array of thumbnail images.

55. (New) The method of claim 47, wherein the completed user designation areas include locations marked by the user with a marking implement.

56. (New) The method of claim 55, wherein the scanning includes detecting with an optical scanner the locations marked by the user.

57. (New) The method of claim 47, wherein the user designation areas comprise bounded regions markable by a user with a marking implement.

58. (New) The method of claim 47, wherein the user designation areas comprise regions markable by a user by a process selected from the group consisting of punching out

holes therein, applying a sticker thereto, and applying a conductive marker thereto.

59. (New) The method of claim 47, comprising:

generating with the printer at least one custom proof sheet and order form with user designation areas for enhancing a user-selected image.

60. (New) The method of claim 59, wherein the enhancing the user-selected image includes cropping the user-selected image.

61. (New) The method of claim 47, wherein a particular one of the user designation areas is associated with a corresponding one of the digitally stored images.

62. (New) The method of claim 61, wherein the particular one of the user designation areas is generated adjacent the graphical representation of the corresponding one of the digitally stored images.

63. (New) The method of claim 47, wherein a particular one of the user designation areas is associated with a corresponding plurality of the digitally stored images.

64. (New) The method of claim 47, wherein a particular one of the user designation areas is markable for specifying at least one of an image selection, an image cropping, an image brightness, an image rotation, a color balance, a superimposed picture date, a print size, a print quantity, and a picture storage selection.

65. (New) The method of claim 64, wherein the particular one of the user designation areas is associated with at least one of the digitally stored images.

66. (New) The method of claim 47, wherein a subset of the user designation areas defines image borders, and wherein one of the subset is markable for selecting one of the

image borders for the corresponding at least one of the digitally stored images.

67. (New) The method of claim 47, wherein a particular one of the user designation areas is markable for specifying an image layout on the at least one final print.

68. (New) The method of claim 47, comprising:

storing at least one of the digitally stored images in a memory of the printer.

69. (New) The method of claim 47, comprising:

storing at least one of the digitally stored images in a computer connected to the printer.

70. (New) The method of claim 47, wherein the detecting and interpreting comprises:

identifying the at least one of the digitally stored images from the completed user designation areas.

71. (New) The method of claim 47, comprising:

generating with the printer, responsive to the scanning, at least one custom form having an additional graphical representation of one of the images and an additional plurality of user designation areas;

scanning with the printer the at least one custom form after the user has completed at least one of the additional user designation areas thereon; and

wherein the detecting and interpreting includes detecting and interpreting the completed user designation areas on the combination proof sheet and order form and the at least one custom form.

72. (New) A method for selecting and printing digitally stored images, comprising:

receiving in a printer a plurality of the digitally stored images;

generating with the printer a combination proof sheet and order form that incorporates

a graphical representation of at least one of the images and a plurality of user designation areas;

receiving with the printer the combination proof sheet and order form after a user has completed at least one of the user designation areas thereon and the form has been re-inserted into the printer;

utilizing the printer to detect and interpret the completed user designation areas on the re-inserted combination proof sheet and order form; and

automatically generating with the printer, responsive to the detection and interpretation of the completed user designation areas, at least one final print sheet having a graphical representation of at least one of the digitally stored images in accordance with the completed user designation areas.

73. (New) A method for selecting and printing digitally stored images, comprising:

generating a combination proof sheet and order form having a graphical representation of at least one of the images and a plurality of user designation areas;

scanning the combination proof sheet and order form after a user has completed at least one of the user designation areas thereon;

detecting and interpreting the completed user designation areas; and

automatically printing, responsive to the detecting and interpreting, at least one final print of at least one of the digitally stored images in accordance with the completed user designation areas.

74. (New) A method for enhancing a digitally stored image available to a printer, comprising:

generating with the printer a form having at least one graphical representation of the digitally stored image, and a plurality of user designation areas each associated with at least one of the graphical representations and indicative of a particular image enhancement applicable to the image;

scanning the form with the printer after a user has completed at least one of the user

designation areas;

detecting and interpreting the completed user designation areas with the printer; and

automatically enhancing, responsive to the detecting and interpreting, the digitally stored image with the printer in accordance with the completed user designation areas.

75. (New) The method of claim 74, comprising:

automatically detecting a re-insertion into the printer of the user-completed form; and

initiating the detecting and interpreting in response thereto.

76. (New) The method of claim 74, comprising:

printing at least one final print of the enhanced digitially stored image.

77. (New) The method of claim 74, wherein the form has a plurality of graphical representations of the digitally stored image and at least one user designation area associated with each graphical representation, each graphical representation indicative of the effect of the enhancement.

78. (New) The method of claim 77, wherein the enhancement is selected from the group consisting of a brightness selection and a color balance selection

79. (New) The method of claim 74, wherein the form has a single graphical representation of the digitally stored image and a set of user designation areas associated with the graphical representation, and wherein the completed ones of the set of user designation areas collectively define the enhancement.

80. (New) The method of claim 79, wherein the enhancement is an image cropping selection.

81. (New) The method of claim 80, wherein the set of user designation areas

comprises:

a vertical subset of user designation areas adjacent a vertical edge of the graphical representation; and

a horizontal subset of user designation areas adjacent a horizontal edge of the graphical representation.

82. (New) The method of claim 81, wherein the image cropping selection is defined by the completion of two user designation areas in the vertical subset denoting a first cropping dimension and two user designation areas in the horizontal subset denoting a second cropping dimension.

83. (New) The method of claim 82, wherein the digitally stored image has a print size, and wherein the first and second cropping dimensions are adjusted to best-fit the image to the print size.

84. (New) The method of claim 82, wherein the digitally stored image has a print size, and wherein the print size is enlarged based on the first and second cropping dimensions.

85. (New) A printer for enabling a user to enhance a digitally stored image accessible by the printer, comprising:

a print mechanism configurable by program logic to generate a form having at least one graphical representation of the digitally stored image, and a plurality of user designation areas each associated with at least one of the graphical representations and indicative of a particular image enhancement applicable to the image;

a scanner mechanism configurable by program logic to detect and interpret at least one user-completed one of the user designation areas after the form has been inserted into the scanner mechanism; and

program logic configured to cause a processor in the printer to enhance the digitally stored image in accordance with the completed user designation areas.

86. (New) The printer of claim 85, comprising:

program logic configured to cause the print mechanism to generate at least one final print having a graphical representation of the enhanced image in accordance with the completed user designation areas.

87. (New) The printer of claim 85, comprising:

a data transfer interface configurable to receive the digitally stored images, the interface selected from the group consisting of a memory card reader and at least one I/O port.

88. (New) The printer of claim 85, wherein the graphical representations are made up of microscopic pixels.

89. (New) The printer of claim 85, wherein the graphical representations of the selected ones of the plurality of images include thumbnail images.

90. (New) The printer of claim 85, wherein the user designation areas to be user-completed include bubble-shaped locations markable by the user.

91. (New) The printer of claim 85, wherein the combination proof sheet and order form includes user readable printed indicia.

92. (New) The printer of claim 85, wherein the scanner mechanism is an optical scanner selected from the group consisting of a photo detector array, a paper edge sensor, a media type sensor, and an ink jet pen activation energy sensor.

93. (New) The printer of claim 85, wherein a particular one of the user designation areas is associated with at least one corresponding one of the digitally stored images.

94. (New) The printer of claim 85, wherein a particular one of the user designation areas is markable for specifying at least one of an image selection, an image cropping, an image brightness, and an image rotation.

95. (New) The printer of claim 85, comprising:

a memory configured to store the digitally stored images.

96. (New) A method for printing an image with a border, comprising:

generating with the printer a form having a graphical representation of a plurality of digitally stored images, a first group of user designation areas completable to select particular ones of the images for printing, and a second group of user designation areas completable to select one of a set of borders;

scanning the form with the printer after a user has completed at least one of the first group of user designation areas and one of the second group of user designation areas;

detecting and interpreting the completed user designation areas with the printer so as to identify at least one selected image and a selected border; and

automatically printing, responsive to the detecting and interpreting, each selected image with the selected border.

97. (New) The method of claim 96, wherein the set of borders includes at least one of corner tabs, a shadow box, an oval mat, a rectangular mat, an oval fading to background pattern, an embossed button, a torn edges pattern, and a zig-zag edges pattern.

98. (New) A method for designing an album page for digitally stored images available to a printer, comprising:

generating with the printer a form having a graphical representation of

each of a plurality of digitally stored images,

a plurality of album addition user designation areas each associated with one of the digitally stored images, and

a plurality of album design user designation areas;

scanning the form with the printer after a user has completed at least one of the album addition and album design user designation areas;

detecting and interpreting the completed user designation areas with the printer to identify added images and a chosen design; and

automatically designing with the printer an album page for the added images in accordance with the chosen design.

99. (New) The method of claim 98, comprising:

printing the designed album page with the printer.

100. (New) The method of claim 98, comprising:

automatically detecting a re-insertion into the printer of the completed form; and

initiating the detecting and interpreting in response thereto.

101. (New) The method of claim 98, wherein the album design user designation areas include user designation areas for selecting from at least one of a plurality of layouts, backgrounds, foreground colors, and image borders.

102. (New) The method of claim 98, wherein the chosen design includes at least one of a album layout, an album background, an album foreground color, an image border, and an image rotation.

103. (New) A printer for designing an album page for digitally stored images accessible by the printer, comprising:

a print mechanism configurable by program logic to generate a form having a graphical representation of

each of a plurality of digitally stored images,

a plurality of album addition user designation areas each associated with one of the

digitally stored images, and

a plurality of album design user designation areas;

a scanner mechanism configurable by program logic to detect and interpret at least one user-completed one of the album addition and album design user designation areas so as to identify added images and a chosen design after the form has been inserted into the scanner mechanism; and

program logic configured to cause a processor in the printer to design an album page for the added images in accordance with the chosen design.

104. (New) The printer of claim 103, comprising:

program logic configured to cause the print mechanism to generate the designed album page.

105. (New) The printer of claim 103, comprising:

a data transfer interface configurable to receive the digitally stored images, the interface selected from the group consisting of a memory card reader and at least one I/O port.

106. (New) The printer of claim 103, wherein the graphical representations are made up of microscopic pixels.

107. (New) The printer of claim 103, wherein the graphical representations of the selected ones of the plurality of images include thumbnail images.

108. (New) The printer of claim 103, wherein the user designation areas to be user-completed include bubble-shaped locations markable by the user.

109. (New) The printer of claim 103, wherein the combination proof sheet and order form includes user readable printed indicia.

110. (New) The printer of claim 103, wherein the scanner mechanism is an optical scanner selected from the group consisting of a photo detector array, a paper edge sensor, a media type sensor, and an ink jet pen activation energy sensor.

111. (New) The printer of claim 103, wherein the album design user designation areas include user designation areas for selecting from at least one of a plurality of layouts, backgrounds, foreground colors, and image borders.

112. (New) The printer of claim 103, wherein the chosen design includes at least one of a album layout, an album background, an album foreground color, an image border, and an image rotation.

113. (New) At least one processor-readable medium having processor-executable instructions therein which, when executed by a processor, cause the processor to perform operations comprising:

controlling a print mechanism to generate a combination proof sheet and order form having graphical representations of a plurality of digitally stored images [accessible by the processor] and a plurality of user designation areas;

controlling a scanner mechanism to scan the combination proof sheet and order form after completion by a user;

detecting on the scanned proof sheet and order form at least one user-completed one of the user designation areas; and

interpreting the at least one user-completed one of the user designation areas to identify at least one user-selected one of the images and at least one user-selected print characteristic associated with the at least one user-selected one of the images.

114. (New) The at least one processor-readable medium of claim 113, the operations further comprising:

controlling the print mechanism to generate at least one final print of the at least one

user-selected one of the images in accordance with the at least one user-selected print characteristic.

115. (New) The at least one processor-readable medium of claim 114, wherein the at least one user-selected print characteristic is selected from the group consisting of an image cropping, an image brightness, an image rotation, a color balance, a superimposed picture date, a print size, and a print quantity.

116. (New) The at least one processor-readable medium of claim 114, wherein the plurality of user designation areas include user designation areas for selecting from a plurality of different image croppings, image brightnesses, image rotations, color balances, print sizes, and print quantities.

117. (New) The at least one processor-readable medium of claim 113, the operations further comprising:

enhancing the at least one user-selected one of the images in accordance with the at least one user-selected print characteristic.

118. (New) The at least one processor-readable medium of claim 117, wherein the at least one user-selected print characteristic is selected from the group consisting of an image cropping, an image brightness, an image rotation, a color balance, and a superimposed picture date.

119. (New) The at least one processor-readable medium of claim 117, wherein the plurality of user designation areas include user designation areas for selecting from a plurality of different image croppings, image brightnesses, image rotations, and image color balances.

120. (New) The at least one processor-readable medium of claim 113, the operations further comprising:

designing an album page for the at least one user-selected one of the images in accordance with the at least one user-selected print characteristic; and

controlling the print mechanism to generate the designed album page including the at least one user-selected one of the images.

121. (New) The at least one processor-readable medium of claim 120, wherein the at least one user-selected print characteristic is selected from the group consisting of a layout, a background, a foreground color, an image border, and an image rotation.

122. (New) The at least one processor-readable medium of claim 120, wherein the plurality of user designation areas include user designation areas for selecting from a plurality of different layouts, backgrounds, foreground colors, and image borders.

123. (New) A program embodied in a computer-readable medium for printing selected ones of a plurality of digitally stored images, comprising:

code that controls a print mechanism to generate a combination proof sheet and order form having graphical representations of the plurality of digitally stored images and a plurality of user designation areas;

code that controls a scanner mechanism to scan the combination proof sheet and order form after completion by a user;

code that detects on the scanned proof sheet and order form at least one user-completed one of the user designation areas;

code that interprets the at least one user-completed one of the user designation areas to identify at least one user-selected one of the images; and

code that controls the print mechanism to generate at least one final print of the at least one user-selected one of the images.

124. (New) The program of claim 123, comprising:

code that interprets the at least one user-completed one of the user designation areas to

identify at least one user-selected print characteristic; and

code that controls the print mechanism to generate the at least one final print in accordance with the at least one user-selected print characteristic.

125. (New) A printer, comprising:

means for generating a combination proof sheet and order form having graphical representations of a plurality of digitally stored images and a plurality of user designation areas;

means for detecting on the combination proof sheet and order form at least one of the user designation areas completed by a user;

means for interpreting the at least one user-completed one of the user designation areas so as to identify at least one user-selected one of the images and at least one user-selected print characteristic associated with the at least one user-selected one of the images.

126. (New) The printer of claim 125, comprising:

means for generating at least one final print of the at least one user-selected one of the images in accordance with the at least one user-selected print characteristic.

127. (New) The printer of claim 125, comprising:

means for enhancing the at least one user-selected one of the images in accordance with the at least one user-selected print characteristic.

128. (New) The printer of claim 125, comprising:

means for designing an album page for the at least one user-selected one of the images in accordance with the at least one user-selected print characteristic; and

means for generating the designed album page including the at least one user-selected one of the images.

129. (New) A printer for enabling a user to select and print a plurality of digitally

stored images accessible by the printer, comprising:

means for generating a combination proof sheet and order form having graphical representations of selected ones of the plurality of digitally stored images and a plurality of user designation areas;

means for detecting and interpreting at least one user-completed one of the user designation areas; and

means for generating at least one final print sheet having a graphical representation of at least one of the digitally stored images in accordance with the at least one detected and interpreted user-completed one of the user designation areas.